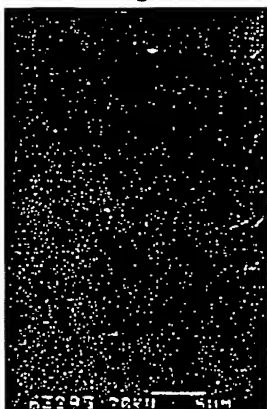




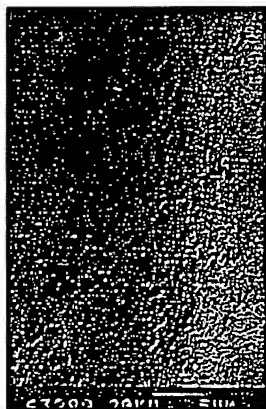
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High Magnification Scanning Electron Micrograph

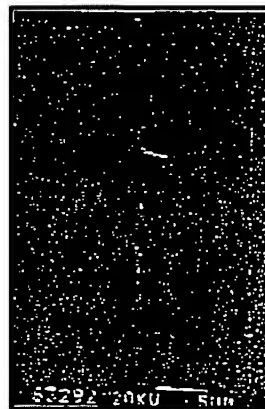
PA14 gacA-



PA14 toxA-

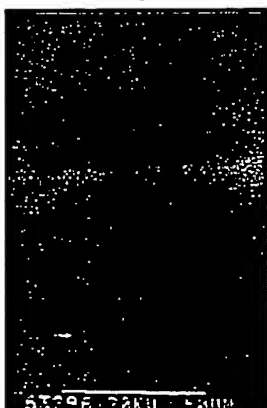


PA14 WT



Low Magnification Scanning Electron Micrograph

PA14 gacA-



PA14 toxA-



PA14 WT



FIG. 4

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wild type

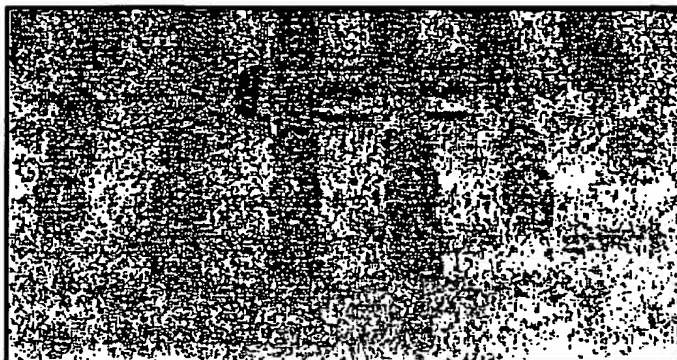


FIG. 8A

gacS- mutant

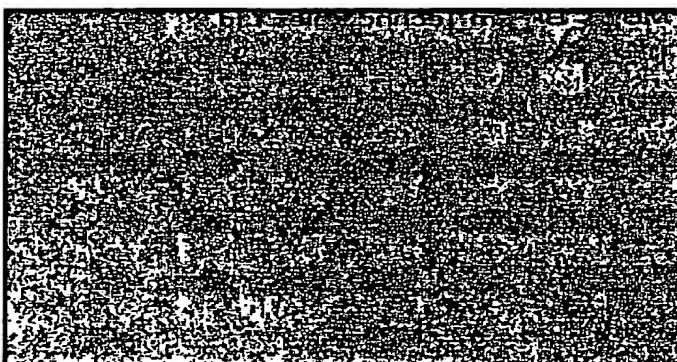


FIG. 8B

gacS/+ - complemented mutant



FIG. 8C

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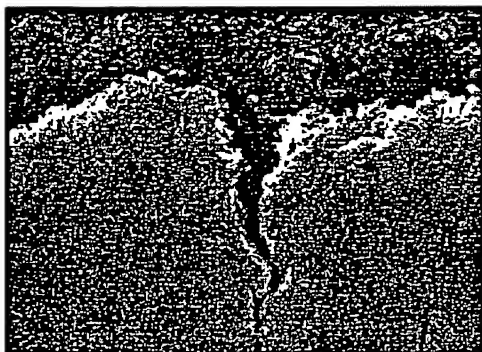


FIG. 9A



FIG. 9B

wt



FIG. 9C

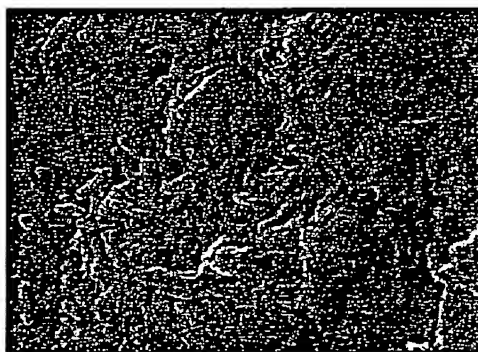


FIG. 9D

gacS-
mutant



FIG. 9E

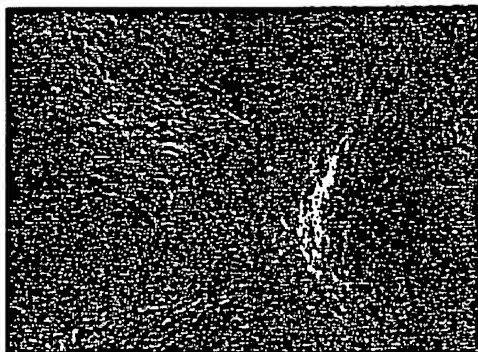


FIG. 9F

gacS-/+

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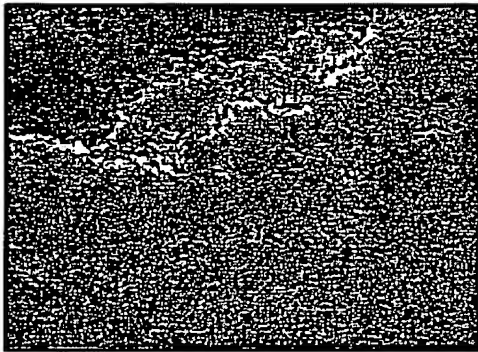


FIG. 10A

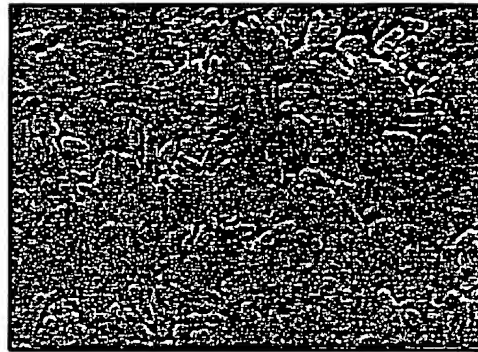


FIG. 10B

wt

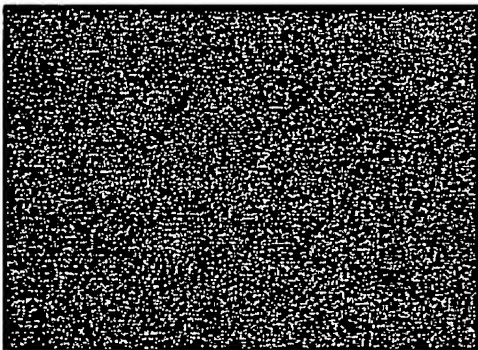


FIG. 10C



FIG. 10D

gacS-
mutant

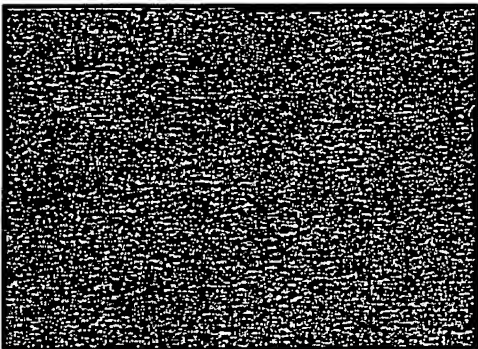


FIG. 10E

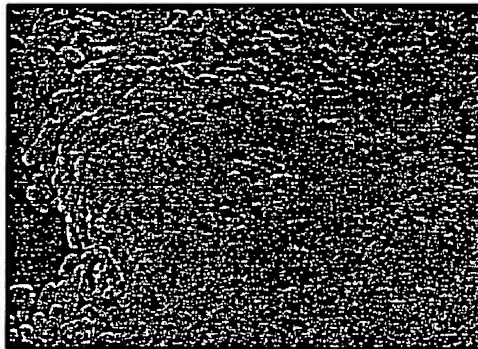


FIG. 10F

gacS-/+